

TAIYO YUDEN Component Library for Synopsys HSPICE

- Installation manual -

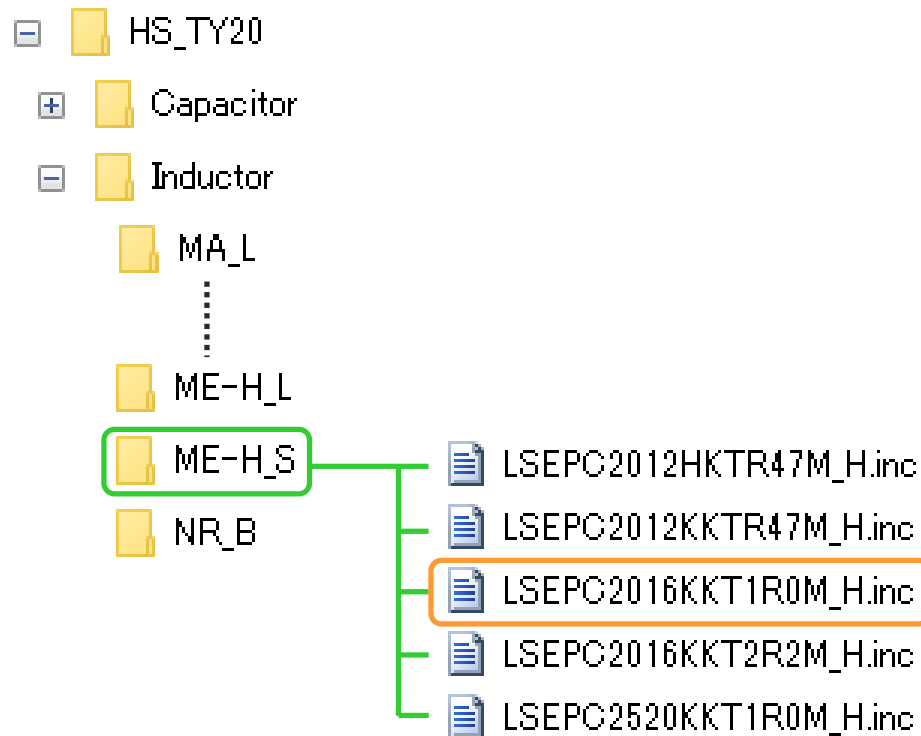
Contents

- * **How to install Component Library (P3)**
- * **How to use Component Library (P4-P5)**

How to install Component Library

Step 1. Unzip “HS_TY**.zip”.

Step 2. Copy the netlist file(.inc) you would like to use to any folder you like.



How to use Component Library

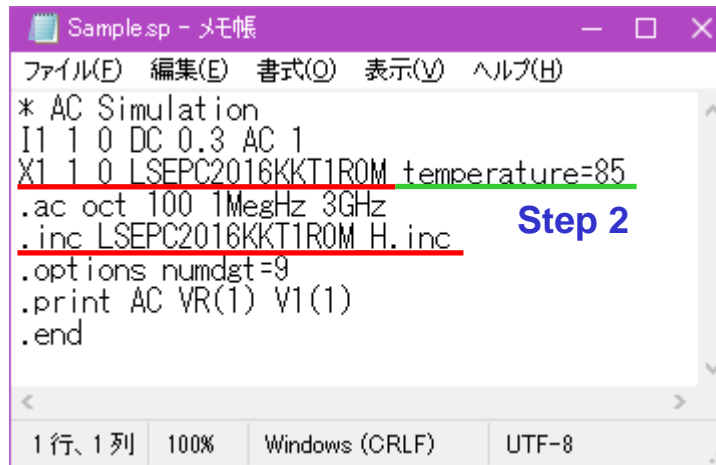
Step 1. Describe the library in the netlist.

Step 2. Add the ambient temperature after the described library.

(In case of writing no parameter, 25C is set as the ambient temperature.)

netlist example

Step 1



```
Sample.sp - メモ帳
ファイル(E) 編集(E) 書式(O) 表示(V) ヘルプ(H)
* AC Simulation
I1 1 0 DC 0.3 AC 1
X1 1 0 LSEPC2016KKT1ROM temperature=85
.ac oct 100 1MegHz 3GHz
.inc LSEPC2016KKT1ROM H.inc
.options numdgt=9
.print AC VR(1) V1(1)
.end
```

The screenshot shows a text editor window titled "Sample.sp - メモ帳". The menu bar includes "ファイル(E)", "編集(E)", "書式(O)", "表示(V)", and "ヘルプ(H)". The main text area contains a netlist for an AC simulation. The line "X1 1 0 LSEPC2016KKT1ROM temperature=85" is highlighted in green. The line ".inc LSEPC2016KKT1ROM H.inc" is highlighted in red. The status bar at the bottom shows "1行、1列", "100%", "Windows (CRLF)", and "UTF-8".

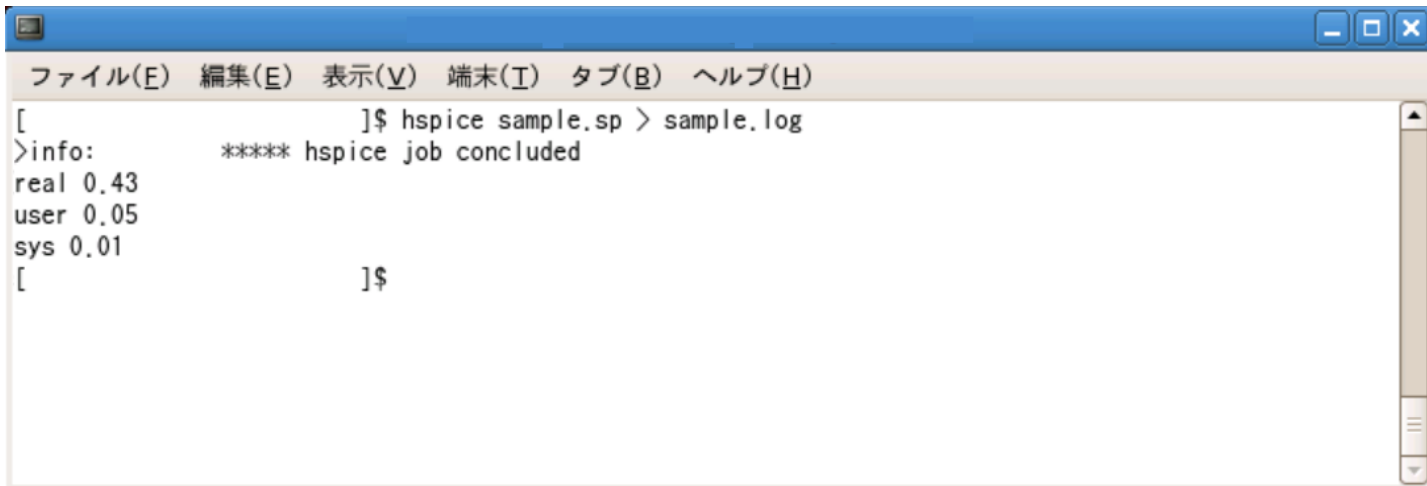
Step 2

***1** Refer to the HSPICE manual for the description of the netlist.

***2** The ambient temperature here only works for the described library, not for the whole circuit.

How to use Component Library

Step 3. Perform the simulation from the command line such as windows command prompt.



```
ファイル(E) 編集(E) 表示(V) 端末(T) タブ(B) ヘルプ(H)
[ ]$ hspice sample.sp > sample.log
>info:      ***** hspice job concluded
real 0.43
user 0.05
sys 0.01
[ ]$
```

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